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MONTANA OIL AND GAS STATISTICAL BULLETIN

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OIL AND GAS CONSERVATION COMMISSION
SAVINGS BLDG.
HELENA, MONTANA

Vol. XII, No. 11 HELENA INDEPENDENT-RECORD HELENA, MONTANA **NOVEMBER, 1964**

Production of crude oil and condensate from the oil and gas areas of Montana for the month of November 1964, averaged 85,358 barrels daily, a decrease of 101 barrels from the average October production of 85,459.

The nine refineries in state processed 92,802 barrels of crude oil daily for the month of November, 1964, an increase of 4,497 barrels from the 88,305 barrels processed daily during the month of October, 1964.

During November, 42 well were completed, 10 oil, 2 gas wells and 30 dry holes.

During November, the commission issued 36 permits to drill new wells, a decrease of 16 from 52 permits issued during October.

SUMMARY OF CRUDE OIL PRODUCTION REFINING, STORAGE, ETC., IN MONTANA MONTH OF NOVEMBER, 1964

IN STORAGE NOVEMBER 1st:	
By Producers	332,965
By Transporters	1,010,276
By Refiners	682,462
TOTAL STORAGE	2,025,703
Produced in Montana During Month	2,560,752
Imported During Month	1,658,692
TOTALS	6,245,147
DISPOSITION:	
Refined in Montana	2,784,060
Exported	1,434,247
Used for Fuel or Lost	8,279
TOTAL	4,226,586
IN STORAGE NOVEMBER 30th:	
By Producers	356,604
By Transporters	1,021,214
By Refiners	640,743
TOTAL STORAGE	2,018,561

NATURAL GAS WITHDRAWALS IN MONTANA

Month of November, 1964

Field	M Cu. Ft.
Bears Den	0
Big Coulee	109,856
Bowdoin	230,666
Bowes	66,665
Cabin Creek	105,258
Cedar Creek	394,285
Cut Bank (Including Reagan)	751,548
Devon	0
Dry Creek	94,430
Elk Basin	41,267
Flat Coulee	1,781
Gold Butte	0
Golden Dome	0
Grandview	0
Hardin	4,343
Keith Block	301,448
Kevin Sunburst	76,242
Middle Butte	9,592
Mount Lili	38,013
Pine	60,365
Plevna	15,115
Utopia	104,717
Whitlash	121,514
Miscellaneous	37,343
TOTAL	2,564,448

Total withdrawals for November, 1963 were 2,379,395

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PRODUCER'S REPORT—MONTH OF NOVEMBER, 1964

Leases	Field	No. of Wells	Storage 1st of Month	Produced Oil	Oil Shipped By		Used or Lost	Storage End of Month
					Pipeline	Truck		
1	Ash Creek	4	436	1,903		2,013		326
5	Bannatyne	8	742	982		380		1,344
1	Bascom	1	188	188				376
5	Bear's Den	6	1,497	2,122		2,306		1,313
1	Belfry	1	150	329		372		107
1	Benrud	1	471	3,087	2,883			675
1	Benrud East	1	978	12,904	12,829			1,053
1	Benrud Northeast	1	588	14,505	14,278			815
9	Big Wall	29	2,235	18,517	18,590			2,162
7	Blackfoot	11	1,535	5,961	2,522	3,159		1,815
1	Bloomfield	1	1,384	1,037		1,438		983
—	Border		206					206
1	Bowes	61	8,330	14,524	17,216			5,638
3	Bradley	3	977	1,076	1,027			1,026
2	Brady	7		418	418			
1	Bredette North	1	420	145				565
2	Cabin Creek	109	8,166	271,751	273,009			6,908
14	Cat Creek	90	2,580	17,471	17,048			3,003
1	Clark's Fork	1	56	229		134		151
—	Clark's Fork North		1,256					1,256
3	Conrad South	5	685	961	1,054			592
1	Cupton	1	1,695	594		1,174		1,115
169	Cut Bank	1,086	102,267	176,666	172,819	2,903	580	102,631
3	Deer Creek	5	1,924	4,960	4,727			2,157
1	Delphia	1	256	1,036		988		304
—	Devil's Basin		498					498
1	Dry Creek	1	294	60				354
19	Dwyer	20	9,910	45,055	44,404			10,561
9	Elk Basin	63	3,687	302,220	302,079			3,828
1	Elk Basin Northwest	1	1,544	1,892		1,083		2,353
3	Fertile Prairie	3	1,023	3,229		3,253		999
6	Flat Coulee	26	4,804	37,343	37,225			4,922
3	Flat Lake	4	1,921	13,088		12,268		2,741
2	Frannie	2		1,513	1,513			
19	Fred & George Creek	28	1,786	114,006	113,778			2,014
1	Gage	2	255	250	464		2	39
4	Gas City	28	6,516	65,529	66,250	2,336		3,459
6	Glendive	11	688	26,978	19,659	6,503		1,504
11	Goose Lake	12	2,800	42,188	40,016	6,503		4,972
7	Graben Coulee	16	3,745	5,445	4,447	1,279	39	3,425
—	Grandview		112					112
2	Gypsy Basin	2	3,064	387			102	3,349
1	Hibbard	1	219	421		393		247
9	Ivanhoe	14	3,386	23,104	22,705		60	3,725
8	Keg Coulee	21	5,345	26,825	27,336		33	4,801
137	Kevin Sunburst	755	14,247	37,653	36,763			15,137
2	Little Beaver	24	3,248	22,654	21,123	532		4,247
3	Little Beaver East	18	1,813	21,660	20,970			2,503
2	Lodge Grass	2	888	2,419		2,203		1,104
2	Lone Tree	3	1,012	5,018		4,911		1,119
26	Lookout Butte	70	3,212	120,241	118,881			4,572
—	MacKay Dome		770					770
2	Mason Lake	2	594	2,789		2,979		404
2	Melstone	5	940	3,432	3,320			1,052
6	Monarch	14	2,593	14,595	13,304			3,884
4	Mosser	4		389		389		
1	Musselshell	1	283	53				336
7	Outlook	12	5,697	31,473	27,568			9,602
2	Outlook South	2	916	1,567	1,525			958
64	Pennel	111	3,671	220,355	219,665			4,361
4	Pine	130	13,093	309,504	309,944			12,653
4	Pole Creek	7	2,223	2,066		2,036		2,253
74	Pondera	327	7,205	32,911	30,958		12	9,146
5	Poplar East	80	10,220	98,138	95,939		10	12,409
4	Poplar Northeast	5	1,107	1,801	446			2,462
6	Ragged Point	18	2,384	6,924	5,746			3,562
3	Reagan	42	2,799	19,534	20,175			2,158
1	Red Creek	21	4,153	36,937	36,620			4,470
1	Redstone	1	538	938	755			721
1	Repeat	1	350	1,156		598		908
5	Richey	8	3,214	2,598	579		265	4,968
6	Richey Southwest	7	4,005	15,113		15,623		3,495
4	Sand Creek	5		6,893	6,893			
1	Shotgun Creek	1	213	1,070		1,002		281
5	Sidney-Brorson	5	3,207	6,279		6,091	83	3,312
1	Snyder	3	2,093	45		386		1,752
4	Soap Creek	8	3,150	3,742		2,114		4,778
3	Spring Lake	4	3,515	8,360		8,546		3,329
2	Stensvad	25	5,505	33,355	32,348			6,512
27	Sumatra	92	10,966	90,394	89,601			11,759
6	Tule Creek	7	2,608	41,051	40,348			3,311
1	Tule Creek East	1	915	17,297	16,974			1,238
1	Tule Creek South	1	589	4,146		3,818		917
2	Vida	2	627	2,764		2,089		1,302
2	Volt	2	1,700	7,163	6,384			2,479
14	Whitlash	35	6,530	16,747	15,800			7,477
3	Whitlash West	3	140	826	826			140
2	Wills Creek South	2	1,640	9,964	10,731			873
9	Wolf Springs	17	4,710	15,701	17,129			3,282
4	Woodrow	6	769	6,226	6,014			981
1	Wildcat, Glacier Cty	1	272	591		712		151
1	Wildcat, McCone Cty	1	2,022	15,321		14,291		3,052
813		3,580	332,965	2,560,752	2,425,625	110,302	1,186	356,604

Total Oil Produced & Shipped From Leases	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1963	30,869,653	84,574	30,852,527	84,527
First Quarter, 1964	7,680,757	84,404	7,661,001	84,187
Second Quarter, 1964	7,628,879	83,833	7,643,945	83,999
Third Quarter, 1964	7,725,982	83,978	7,735,893	84,085
October, 1964	2,649,257	85,459	2,648,400	85,432
November, 1964	2,560,752	85,358	2,535,927	84,530

Oil In Storage	In Producers Field Tank	In Transporters Storage	In Refiners Storage*	Total Oil In Storage*
December, 1963	340,101	926,949	566,444	1,833,494
March, 1964	365,053	1,049,139	688,993	2,103,185
June, 1964	346,150	1,115,235	788,338	2,249,723
September, 1964	333,591	1,106,084	682,139	2,121,814
October, 1964	332,965	1,010,276	682,462	2,025,703
November, 1964	356,604	1,021,214	640,743	2,018,561

*Includes Wyoming Oil.

TRANSPORTER'S REPORT—MONTH OF NOVEMBER, 1964

	Storage First of Month	OIL RECEIVED BY			Loss or (Gain)	OIL SHIPPED TO			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Truck			2,013				2,013		
BANNATYNE—Truck			380			380			
BEAR'S DEN—Truck			2,306			2,306			
BELFRY—Truck			372				372		
BIG WALL—Glacier Pipeline Co.		18,490				18,490			
BLACKFOOT—Union Oil Co.		2,522				2,522			
Camerland Cardinal Corp.			3,159					3,159	
		2,522	3,159			2,522		3,159	
BLOOMFIELD—Truck			1,438				1,438		
BOWES—Texaco, Inc.		17,216				17,216			
CABIN CREEK & OTHERS*									
Butte Pipeline Co.	326,390	683,105	50,217	710,671			1,458,374		312,009
Shell Pipeline Co.	4,047	347,302		855	(334)			343,831	8,707
	330,437	1,030,407	50,217	711,526	(334)		1,458,374	343,831	320,716
CAT CREEK									
Glacier Pipeline Co.		15,896				15,896			
CLARK'S FORK—Truck			134				134		
CUT BANK									
Darling Gathering System, Inc.	2,212	5,593						5,728	2,077
Glacier Pipeline Co.			4,182	547,053		551,235			
Phillips Petroleum Co.	64,178	51,195		51,385	1,167	60,270		24,898	80,423
Texas Pipeline Co.	16,799	33,601		13,985	210	24,629		22,480	17,066
Union Oil Co.	87,530	72,011		10,000	620	99,638		10,000	59,283
Western Oil Transportation Co.	34,890	25,861		41,589	258			63,387	38,695
	205,609	188,261	4,182	664,012	2,255	735,772		126,493	197,544
DELPHIA—Truck			988			988			
DWYER—Portal Pipeline Co.		45,172					45,172		
ELK BASIN—									
Marathon Pipeline Co.		301,392				301,392			
ELK BASIN NORTHWEST—Truck			1,083				1,083		
FLAT COULEE—									
Camerland Cardinal Corp.	3,000	37,225						37,225	3,000
FLAT LAKE—Truck			12,268				12,268		
FRANNIE—Marathon Pipeline Co.		1,513					1,513		
FRED & GEORGE CREEK									
Camerland Cardinal Corp.	18,229	106,824				14,670		83,981	26,402
GAGE—Glacier Pipeline Co.		466				466			
GLENDIVE, DEER CREEK, WOODROW & SAND CREEK—									
Texas Pipeline Co.	5,318	43,798			(1,879)			43,518	7,477
GOOSE LAKE—									
Portal Pipeline Co.		38,368					38,368		
HIBBARD—Truck			393			393			
IVANHOE—Glacier Pipeline Co.		22,705				22,705			
KEG COULEE—									
Glacier Pipeline Co.		27,336				27,336			
KEVIN SUNBURST—									
Big West Oil Co.	5,049	41,253				42,622			3,680
Homestake Oil & Gas Co.	211	2,201		5,728		7,183			957
Texas Pipeline Co.	10,814	12,193			411			13,985	8,611
	16,074	55,647		5,728	411	49,805		13,985	13,248
LODGE GRASS—McWood Corp.			2,203			2,203			
LONE TREE—Truck			4,911				4,911		
MASON LAKE—Truck			2,979			2,979			
MELSTONE—									
Glacier Pipeline Co.		3,321				3,321			
MOSSER—Truck			389				389		
PONDERA—Phillips Petr. Co.	16,849	32,169		24,898	407	54,782			18,727
POPLAR, BENRUD, BENRUD EAST, BREDETTE, OUTLOOK, OUTLOOK SOUTH, REDSTONE, RICHEY, SIDNEY-BRORSON, TULE CREEK, TULE CREEK SOUTH & VOLT									
East Poplar Gathering System	12,306	209,484			1,119			200,867‡	19,804
POLE CREEK—Truck			2,036				2,036		
RAGGED POINT—									
Glacier Pipeline Co.		5,745				5,745			
RED CREEK—									
Western Oil Transportation Co.		40,130			401			39,729	
SHOTGUN CREEK—Truck			1,002				1,002		
SIDNEY-BRORSON									
McWood Corp.	5,647		6,091	1,418				3,134	10,022
SNYDER—McWood Corp.			386			386			
SOAP CREEK—McWood Corp.	2,850		2,114						4,964
SPRING LAKE—Truck			8,546				8,546		
SUMATRA AND STENSVAD—									
Glacier Pipeline Co.	393,957	121,795		65,300	1,748	179,994			399,310
WHITLASH AND WHITLASH WEST									
Camerland Cardinal Corp.		15,267				15,267			
WOLF SPRINGS—									
Glacier Pipeline Co.		16,679				16,679			
WILDCAT WELLS—			712					712	
TOTALS	1,010,276	2,397,828	110,302	1,472,882	4,128	1,491,693	1,577,619	896,634	1,021,214

*Cabin Creek, Cupton, Fertile Prairie, Gas City, Little Beaver, Little Beaver East, Lookout Butte, Monarch, Pennel, Pine, Repeat, Richey, Richey Southwest and Wills Creek South.

‡Transferred to Butte Pipeline Company.

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BARRELS OF CRUDE OIL REFINED IN MONTANA
MONTH OF NOVEMBER, 1964

Field	Big West Oil Co.	Continental Oil Co.	Diamond Asphalt Co.	Farmers Union	Humble Oil & Ref. Co.	Jet Fuel Refinery	Texstar Petr. Co.	Phillips Petr. Co.	Union Oil Co.	Total
Big Wall				18,490						18,490
Blackfoot									2,522	2,522
Bowes			7,887					8,890		16,777
Cat Creek		15,896		3,934		1,279				21,109
Cut Bank		171,536						61,653	91,002	324,191
Delphia						1,077				1,077
Elk Basin		115,333		77,650	108,410					301,393
Fred & George Creek	16,236									16,236
Gage						796				796
Hibbard						706				706
Ivanhoe					22,705					22,705
Keg Coulee				27,336						27,336
Kevin Sunburst	49,805									49,805
Lodge Grass		2,203								2,203
Mason Lake						3,562				3,562
Melstone				3,321						3,321
Pondera								53,214		53,214
Ragged Point										5,745
Red Creek		5,745			36,620					36,620
Richey, Southwest						612	28,196			28,808
Snyder		386								386
Sumatra & Stensvad		20,363		74,358	57,077					151,798
Whitlash	15,267									15,267
Wolf Springs					21,301					21,301
Total Montana Oil	81,308	331,462	7,887	205,089	246,113	8,032	28,196	123,757	93,524	1,125,368
Canadian Oil Imported		359,395			5,011				1,920	366,326
Wyoming Oil Imported		167,642		334,249	788,823	1,652				1,292,366
Total Montana, Canadian, and Wyoming Oil	81,308	858,499	7,887	539,338	1,039,947	9,684	28,196	123,757	95,444	2,784,060

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	Total
Year, 1963	32,324	4,255	40,398	76,977
November, 1963	32,370	6,522	41,130	80,022
November, 1964	37,512	12,212	43,078	92,802

PERCENTAGE OF CRUDE OIL REFINED

	Montana	Canada	Wyoming
Year, 1963	41.99%	5.53%	52.48%
November, 1963	40.45%	8.16%	51.39%
November, 1964	40.42%	13.16%	46.42%